



## PCB D-SUB CONNECTORS



### TE CONNECTIVITY (TE) 15 RCPT SP/MS STD AMPLIMITE | SP

745185-1  
TE Internal Number: 745185-1

5 of 6 EU RoHS/ELV Compliant  
[Find Compliant Alternatives](#)

Connector Style **Receptacle**

Centerline (in) **.108**

Number of Positions **15**

Number of Rows **2**

Shell Size **2**

✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

### Product Drawings

[RECEPTACLE ASSY, SIZE 2 15 POS, VERTICAL, TM](#)  
PDF (TIFF AVAILABLE)  
English

[RECEPTACLE ASSY, SIZE 2 15 POS, VERTICAL, TM](#)  
PDF (TIFF AVAILABLE)  
English

### CAD Files

[3D PDF](#)  
PDF  
3D

[Customer View Model](#)  
2D\_DXF.ZIP  
English

[Customer View Model](#)  
3D\_IGS.ZIP  
English

[Customer View Model](#)  
3D\_STP.ZIP  
English

### Product Specifications

Product Specification [AMPLIMITE HD-20 PCB Mounted Connector](#)  
PDF  
English

Application Specification [AMPLIMITE HD-20 Straight Solder Contact Tine, Front Metal Shell, PC Board And Panel Mount Connectors](#)  
PDF  
English

Qualification Test Report [Connector, AMPLIMITE HD-20, Printed Circuit Board Mounted](#)  
PDF  
English

### Product Environmental Compliance

TE Material Declaration [MD\\_745185-1\\_12122015151\\_dmtec](#)  
PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features	Connector Style	<b>Receptacle</b>
	Shell Size	<b>2</b>
	Profile	<b>High</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Grounding Straps	<b>Without</b>
	Shell Type	<b>Full Metal Shell</b>
	Grounding Indents	<b>Without</b>
	Applies To	<b>Printed Circuit Board</b>
	Sealed	<b>No</b>
Product Type	<b>Connector</b>	

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Configuration Features	Number of Positions	<b>15</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>

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Body Features	Plastic	<b>No</b>
	Color Code	<b>None</b>
	Shell Plating Material	<b>Tin</b>
	Insert Material	<b>Thermoplastic</b>
	Shell Material	<b>Carbon Steel</b>
	Post Size	<b>.64 mm [ .025 in ]</b>

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Contact Features	Contact Shape	<b>Square</b>
	Solder Tail Contact Plating Material	<b>Tin-Lead over Nickel</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Mating Area Plating Material	<b>Gold Flash over Palladium Nickel, Gold</b>

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Termination Features	Termination Post Length	<b>3.18 mm [ .125 in ]</b>
	Grounding Clips	<b>Without</b>

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Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Mounting Holes</b>

PCB Mount Retention Type	<b>Mounting Holes</b>
Mating Connector Lock	<b>Without</b>
Panel Mount Retention	<b>Without</b>
Mounting Hole Diameter	<b>3.05 mm [ .12 in ]</b>

Housing Features	Centerline (in)	<b>.108</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</b>

Dimensions	PCB Thickness (Recommended)	<b>1.57 – 2.36 mm [ .062 – .093 in ]</b>
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Industry Standards	Insert Flammability Rating	<b>UL 94V-0</b>
	UL Flammability Rating	<b>UL 94V-0</b>
	Approved Standards	<b>UL E28476</b>

Packaging Features	Packaging Method	<b>Tube</b>
	Packaging Quantity	<b>13</b>

Other	Comment	<b>All receptacles are preloaded with size 20 DF posted socket contacts</b>
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Product Compliance	<a href="#">Statement of Compliance</a> PDF <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>
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Products - 7 Results

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Relation Type 

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS 



Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDE (IDC) Insulation  
**PLUG ASSY, 15P, HDE,**  
**MS - 1-745494-7**  
TE INTERNAL NUMBER: 1-745494-7

 Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **15**

Number of Rows **2**

Preloaded **Yes**

## RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

## PRODUCT - MATING PRODUCTS

Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDE (IDC) Insulation**KIT, PLUG, 15P, HDE,  
SHLD ENCLSRE  
- 1-747946-5**

TE INTERNAL NUMBER: 1-747946-5

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**Shielded **Yes**Number of Positions **15**Number of Rows **2**Preloaded **Yes**

## RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

## PRODUCT - MATING PRODUCTS

Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDE (IDC) Insulation**KIT, PLUG, 15P, HDE,  
SHLD HDWRE - 747531-8**

TE INTERNAL NUMBER: 747531-8

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**Shielded **Yes**Centerline **1.38 mm**Number of Positions **15**Number of Rows **2**